

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 02/13329

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C23C2/02 C23C2/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ENDO, EIICHI ET AL: "Flux for manufacture of Zn-Mg-Al alloy plated steel by dip coating" retrieved from STN Database accession no. 134:196248 CA XP002201101 abstract & JP 2001 049414 A (NIPPON STEEL CORP., JAPAN) 20 February 2001 (2001-02-20)</p>	<p>1,5-8, 10-14</p>
X	<p>GB 896 866 A (THE BOLLER DEVELOPMENT CORPORATION) 23 May 1962 (1962-05-23) page 1, line 11 - line 68 page 3, line 71 - line 89; claim 1</p> <p style="text-align: center;">-/-</p>	<p>1,10, 13-15</p>



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

20 March 2003

Date of mailing of the international search report

26/03/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 499 149 A (TADEUSZ LIBAN) 19 January 1939 (1939-01-19) page 1; claims 1,3,6,7,11; example 2 ---	1,5,10
A	US 5 437 738 A (UM GERENROT) 1 August 1995 (1995-08-01) column 4, line 10 - line 35; claims 6,7,11,12; example 3 ---	1,13,14
A	DATABASE WPI Section Ch, Week 198338 Derwent Publications Ltd., London, GB; Class M13, AN 1983-768391 XP002201102 & JP 58 136759 A (MITSUI MINING & SMELTING CO), 13 August 1983 (1983-08-13) abstract ---	1,5, 10-12
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 443 (C-0985), 16 September 1992 (1992-09-16) & JP 04 154951 A (SUMITOMO METAL MINING CO LTD), 27 May 1992 (1992-05-27) abstract ---	1,5-8, 10-12
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 190 (C-0937), 8 May 1992 (1992-05-08) & JP 04 026749 A (SUMITOMO METAL MINING CO LTD), 29 January 1992 (1992-01-29) abstract ---	1,5-12
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 190 (C-0937), 8 May 1992 (1992-05-08) & JP 04 026748 A (SUMITOMO METAL MINING CO LTD), 29 January 1992 (1992-01-29) abstract ---	1,5,6, 10-12
A	US 3 457 097 A (SHIGERU YONEZAKI) 22 July 1969 (1969-07-22) column 1, line 43 - column 2, line 65; claims 1,3; examples 4,6 ---	1,10,13; 14
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	US 4 713 153 A (LUDO ADRIAENSEN) 15 December 1987 (1987-12-15) column 1, line 1 - line 18 ---	4
X	US 4 505 958 A (HANS-WILHELM LIEBER) 19 March 1985 (1985-03-19) claims 1,11 ---	15
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